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Culture



62.05
A FIELD OF RANUNCULUS TECOLOTE GIANTS IN FULL BLOOM

Liefgreen's Giant Tecolote Ranunculus

(SEE PAGE 3 FOR VARIETIES AND PRICES)

A more wonderful display of color cannot be pictured than a mass of **RANUNCULUS** in full blossom and we know of no other bulb that will give the profusion of blooms for the amount of money expended. The large globular flowers 2 and 3 inches across carry a wide range of bright shades, including crimson, orange, pink, yellow and white, with some striped and variegated borne on strong stems 8 to 10 inches in length. A most gorgeous effect in beds and borders, while as cut flowers they are very satisfactory, keeping

fresh in water for a long time. Once grown you will never be without them.

Giant Tecolote Ranunculus

By far the most magnificent strain of **RANUNCULUS** ever offered to the public. Flowers very double, blended with semi-double. Centers are usually light green. Our mixture contains a beautiful range of colors. Do not confuse them with the cheap kinds offered at bargain prices. All sizes as offered are strictly up to standard.

CULTURE OF RANUNCULUS

Culture: In warm climates, Ranunculus may be planted in early fall for winter bloom and from that time in succession until spring. For pot grown winter flowers, plant early in fall, water thoroughly and plunge in ashes or sand until they are sprouted.

The bulbs resemble tiny clumps with finger-like projections which should be planted pointed down. Soak the bulbs in water 2 hours and cover about 2 inches deep, 4 to 6 inches apart, and if soil is

at all heavy, cover with peat moss in order that leaves will push through readily without heaving the soil. A rich under-soil is desirable, but use no fresh fertilizer around the bulb. Plant in a partly shaded location, particularly if grown for blooming in late spring or early summer, otherwise if planted in locations like the Phoenix, Arizona, valley during the fall months, in a sunny, open location. An abundance of water and good drainage is essential.

Free Parking When You Come to Liefgreen's

DIRECTLY EAST OF OUR STORE is our spacious parking lot. Drive in, make yourself at home, no confusion, no tickets, no bother, and avoid the trouble that comes when you try to park in the more congested areas.

FALL 1941

Liefgreen **SEED COMPANY**
339 W.VAN BUREN•PHOENIX, ARIZONA.



Liefgreen's Anemones

These lovely flowers are deservedly popular. With an exceedingly wide range of color and color combinations, and an adaptability for both forcing and outdoor planting, the Anemone is a most useful and satisfactory flower. The plants thrive best in a rather rich, sandy loam, but will do well in most any well-drained garden soil. Ready September 1st.



Jumbo Size
3/4 to 7/8 inch.

No. 1 Size
5/8 to 3/4 inch.

Monarch De Caen

A magnificent robust growing strain of Poppy Anemone with immense saucer shaped flowers of the most brilliant and varied colors from pink to beautiful shades of blue and brilliant scarlet, borne on long strong stems. Bulbs are small but produce a flower of amazing size.

MONARCH DE CAEN—Mixed colors.

Jumbo Size—3/4 to 7/8 inch—
75c per dozen; \$4.50 per 100

No. 2 Size No. 1 Size—5/8 to 3/4 inch—
1/2 to 5/8 inch. 50c per dozen; \$3.00 per 100

No. 2 Size—1/2 to 5/8 inch—
25c per dozen; \$1.75 per 100

BLUE POPPY—A most attractive strain running all shades of beautiful blue. Very large single flowers. Jumbo Size—3/4 to 7/8 inch. 85c per dozen; \$6.00 per 100

No. 1 Size—5/8 to 3/4 inch. 65c per dozen; \$4.00 per 100

HIS EXCELLENCY—Single Red. A grand variety bearing flowers measuring three inches across. Color is of the most vivid vermillion with silver white base and handsome black central boss. Beautiful in center pieces.

Jumbo Size—3/4 to 7/8 inch. 85c per dozen; \$6.00 per 100

No. 1 Size—5/8 to 3/4 inch. 65c per dozen; \$4.00 per 100

THE BRIDE—Single large pure white Anemone with white center.

Jumbo Size—3/4 to 7/8 inch. 85c per dozen; \$6.00 per 100

No. 1 Size—5/8 to 3/4 inch. 65c per dozen; \$4.00 per 100

ANEMONE-ST. BRIGID "CREIGH CASTLE"—Mixed colors. Large semi-double flowers of the most brilliant hues and delicate shades and colors, including a good proportion of Rose, Pinks, Lavenders and Blues.

Jumbo Size—3/4 to 7/8 inch. 85c per dozen; \$6.00 per 100

No. 1 Size—5/8 to 3/4 inch. 65c per dozen; \$4.00 per 100

All Bulbs Sent Postpaid.

Anemones, Tecolote Strain

Culture: For pot forcing, place six or more in a pot of proportionate size and handle the same as Tulips and Hyacinths, keeping them well watered at blooming time. For outdoor, they are suitable for borders, rockeries and mass bedding. Plant the tubers 6 to 7 inches apart, 2 inches deep, laid flat with the growing knobs upward. Soaking the tubers before planting hastens the blooming. In warm climates, free of heavy freezing, Anemones may be planted from early fall to early spring

and several plantings will produce a continuous bloom in 4 to 5 months' time. Under colder conditions, a mulching of leaves and litter is necessary and in regions subject to extreme cold, the tubers should be carried over in a cold frame and planted in the spring. After flowering and the leaves have dried off, lift the tubers, dry and store in dry sand until next planting time. In warm climates they may remain in the ground and rested under rather dry conditions.

NON-WARRANTY—The Liefgreen Seed Co. gives no warranty, express or implied, as to the description, quality, productiveness, or any other matter of seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop.

WE CARRY ONLY ONE GRADE OF SEED

—That is the best procurable. We fill all of our own seed packets from fresh seed of the highest purity and germination. Follow our Planting Guide and Cultural Directions as given in our catalog.

ERROR IN FILLING ORDERS—We use the greatest of care in filling, checking and packing orders. Yet should anything be omitted we will promptly forward when advised. Keep a duplicate copy of your order for comparison.

ADD 2% TO COVER STATE RETAIL SALES TAX

(Customers outside of Arizona need pay no Sales Tax.)

Prices Subject to Change Without Notice.

DOMESTIC PARCEL POST RATES

For the convenience of our out-of-town customers we list many items at postpaid prices.

FOR ITEMS NOT LISTED POSTPAID, CUSTOMER MAY FIGURE RATE FROM CHART BELOW

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions. Weight limit 70 lbs. Local delivery, 1st pound 7c; each additional 2 pounds, 1c.

First Zone, Phoenix and within	50 miles of Phoenix.....	
Second Zone, within	50 to 150 "	" "
Third Zone,	150 to 300 "	" "
Fourth Zone,	300 to 600 "	" "
Fifth Zone,	600 to 1,000 "	" "
Sixth Zone,	1,000 to 1,400 "	" "
Seventh Zone,	1,400 to 1,800 "	" "
Eighth Zone,	all over 1,800 "	" "

First Pound or Fraction	Additional Pound or Fraction
8c	1c
8c	1c
9c	2c
10c	4c
11c	5c
12c	7c
14c	9c
15c	11c

"Giant Tecolote" Ranunculus



Jumbo—1 in. up

JUMBO SIZE—1 inch up. Extra large bulbs. Mixed colors. 8c each; 85c per dozen; \$6.00 per 100.

TOP SIZE— $\frac{3}{4}$ to $\frac{7}{8}$ inch. Large bulbs. Mixed colors. 7c each; 75c per doz.; \$4.50 per 100.

No. 1 SIZE— $\frac{5}{8}$ to $\frac{3}{4}$ inch. Mixed colors. 5c each; 50c per dozen; \$3.00 per 100.

No. 2 SIZE— $\frac{1}{2}$ to $\frac{5}{8}$ inch. Mixed colors. 5c for 2 bulbs; 25c per dozen; \$1.75 per 100.

SEPARATE COLORS

GOLD SHADES—Top size $\frac{3}{4}$ to $\frac{7}{8}$ in. Colors running from straw through the entire range of yellows to deep golden yellow. 7c each; 75 per doz.; \$4.50 per 100.

RED SHADES—Top size $\frac{3}{4}$ to $\frac{7}{8}$ in. Colors of dark crimson, scarlet, and all other shades of red. 7c each; 75c per dozen; \$4.50 per 100.

PINK SHADES—Top size $\frac{3}{4}$ to $\frac{7}{8}$ inch. A Giant Tecolote that contains all shades of pink from light pink to deep rose. 7c each; 75c per dozen; \$4.50 per 100.

BRONZE SHADES—Top size $\frac{3}{4}$ to $\frac{7}{8}$ inch. Beautiful and exquisite shades of rich orange. 7c each; 75c per dozen; \$4.50 per 100.

WHITE SHADES—Top size $\frac{3}{4}$ to $\frac{7}{8}$ inch. A beautiful waxy white of extra large size. Blooms almost 100% pure white with the exception of an occasional off-white, cream or light yellow. 7c each; 75c per dozen; \$4.50 per 100.

All Bulbs Sent Postpaid.

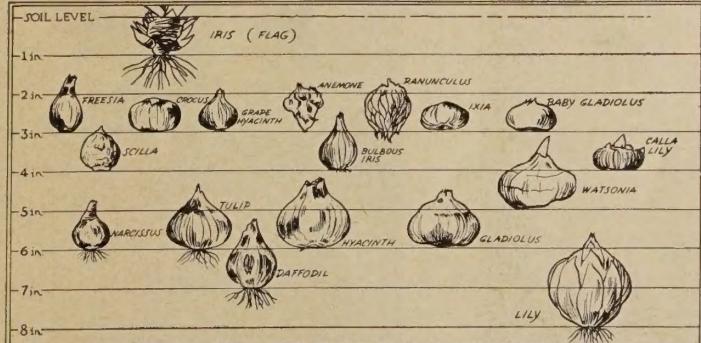
FREESIAS—Ready in August

An easily grown, attractive and fragrant flower for both indoor and outdoor culture. Few bulbs flourish in the home window with so little care as do the Freesias, and a single plant in flower will soon fill the room with a most delicate perfume. The new colored varieties are charming and all make excellent cut flowers.

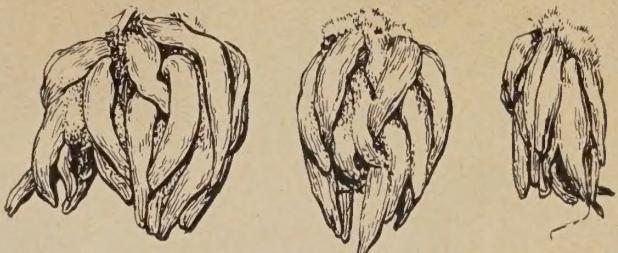
Freesia Culture: Freesias may be planted from August 15th, through January. They are easily grown, blossom freely in early spring and the bulbs will multiply and continue blooming for years. The soil should be well prepared, and though they grow well in full sun, they also may be planted in partial shade. All Freesias are fragrant and make good cut flowers.

Plant the bulbs one to two inches apart and cover to a depth of about two inches. In place of a single row place bulbs to make a row three or four inches wide; giving a very nice effect.

Freesias may be left in the ground from year to year or if they are taken up it should be done after the foliage has become entirely cured or dry.



Plant Bulbs to the Depth Indicated



Top Size
 $\frac{3}{4}$ to $\frac{7}{8}$ inch

No. 1 Size
 $\frac{5}{8}$ to $\frac{3}{4}$ inch

No. 2 Size
 $\frac{1}{2}$ to $\frac{5}{8}$ inch

Liefgreen's Colored Freesias

MIXED COLORS—A special mixture and a careful blend of all colors. No whites are included.

Special Top Size—60c per dozen; \$1.75 for 50; \$3.50 per 100.

No. 2 Size—40c per dozen; \$2.75 per 100.

Liefgreen's Pure White Freesias

Purity Superflora

This is an improved white. Very large flowers of good substance and delightfully scented.

Large Size Bulbs—40c per dozen; \$1.50 for 50; \$2.75 per 100.

No. 2 Size—25c per dozen; \$1.00 for 50; \$1.75 per 100.

All Bulbs are Sent Postpaid.



Liefgreen's Beautiful All-Colored Freesias

Trumpet Daffodils

KING ALFRED—This is one of the largest flowers and longest stemmed varieties now being offered. The flowers are pure yellow, the trumpet is slightly frilled and usually 3 or 4 flowers are produced from each bulb.

Jumbo Bulbs—20c each; 90c for 6; \$1.75 per dozen; \$11.00 per 100.
Extra Large Bulbs—15c each; 80c for 6; \$1.50 per dozen; \$9.00 per 100.

SPRING GLORY—Yellow trumpet with creamy white perianth. Large bold flower of exceptional beauty.

Large Bulbs—25c for 2; 65c for 6; \$1.25 per dozen; \$8.00 per 100.

EMPEROR—Brilliant golden yellow flowers of immense size, with wide over-lapping perianth. Extra fine.

Large Bulbs—25c for 2; 65c for 6; \$1.25 per dozen; \$8.00 per 100.

Double Daffodil—The Pearl

This is the wonderful double Daffodil that we all know so well. The flowers are a beautiful golden yellow and very double. Excellent for forcing in pots and also for outdoor culture. Our bulbs are Double Nose, which throw more flowers than the Single Nose type. 25c for 2; 65c for 6; \$1.25 per dozen; \$8.00 per 100.

Jonquil

A species of Narcissus with very fragrant flowers; excellent for cutting. Culture same as for Narcissus.

JONQUIL—CAMPENNELLE GIANT SINGLE—The largest and finest single Jonquil; color pure yellow; very fragrant. 25c for 2; 65c for 6; \$1.25 per dozen; \$8.00 per 100.

Single Narcissus

POETICUS HORACE—Large, star shaped, broad, white perianth with flat yellow eye, edged red. 10c each; \$1.00 per dozen.

Paper White Narcissus

True Grandiflora Type

Everyone knows the Paper White Narcissus. As a quick-growing bulb it has no equal. The flowers are pure white and very fragrant, produced on long, stiff stems. They can be forced into bloom in from 6 to 8 weeks' time, and by planting at intervals of four weeks apart you will have a succession of blooms throughout the fall and winter season. When grown in water, place the bowl in a dark cool place until sprouted 3 or 4 inches. Then move to light location and you will have blooms in a few weeks. Narcissus enjoys a cool temperature as warmth tends to grow excessive foliage. A small amount of charcoal in the water will tend to keep it cool and sweet.

Large Size Bulbs—15-16 ctm. 10c each; \$1.00 per dozen; \$7.00 per 100.

Soleil d'Or

Yellow Paper White Narcissus

Beautiful golden yellow flowers with deep orange cup. Can be bloomed just as easily as the Paper White Narcissus in bowls or out of doors. 25c for 2; 65c for 6; \$1.25 per dozen; \$8.00 per 100.



Giant King Alfred

DAFFODILS AND NARCISSUS

All varieties are easy to grow and are very popular as cut flowers because of their splendid keeping qualities. They may be grown in cultivated beds or borders or in the shrubbery border where they may be allowed to naturalize. While they prefer partial shade, they will thrive in full sun. Plant from late September through January in any good garden soil, covering to a depth of 5 inches.

All Narcissus may be grown in Bulb fibre and culture is the same as for Hyacinths.



Paper White Narcissus

Chinese Sacred Lily

Large Blooming Size

Chinese Lilies are wonderfully attractive as house ornaments and well deserving a place in the home of every lover of plants. The flowers are pure white with yellow cup. May be planted in the open ground or in bowls. After plants are through blooming in the home all Narcissus may be planted out of doors, and will bloom the following year. Culture of Chinese Lilies the same as for Paper Whites. Fancy, sound, bulbs. 15c each; 65c for 6; \$1.25 per dozen.



Soleil d'Or



Chinese Sacred Lily

LIEFGREEN'S GIANT DARWIN, COTTAGE AND BREEDER TULIPS

With the war barring all imports of Tulip bulbs from Holland we were exceptionally fortunate in securing a good supply of fine, sound bulbs from the state of Oregon where they are grown to perfection. We have also kept our prices to a minimum for strong, healthy bulbs and strongly recommend a generous planting.

Culture: Plant the bulbs about 6 inches apart and about 5 to 6 inches deep. The best soil for tulips is old well-rotted manure, mixed with sand. Great care should be taken that water does not stand over or under the bulbs when planted out of doors, as they will not thrive in soggy soil. When planted in pots, plenty of drainage should be given. Tulips in pots should be treated the same as Hyacinths.

GESNERIANA SPATHULATA (Red Rocket) COTTAGE TULIP—A beautiful scarlet with blue center. 25c for 2; \$1.25 per dozen.

ORANGE KING (Cottage Tulip)—Bright glowing orange, tinted rose on the outside. 10c each; \$1.00 per dozen.

INGLES COMBE PINK (Cottage Tulip)—Rosy pink overlaid with salmon. 10c each; \$1.00 per dozen.

PICOTEE (Cottage Tulip)—White, with narrow carmine rose edge, Lily Flowering. 10c each; \$1.00 per dozen.

GESNERIANA LUTEA (Cottage Tulip)—Very large pure deep yellow. 10c each; \$1.00 per dozen.

INGLES COMBE YELLOW (Cottage Tulip)—Large flowers of glossy canary yellow. A charming tulip for all purposes. 10c each; \$1.00 per dozen.

CLARA BUTT (Darwin Tulip)—Apple blossom pink and one of the very best. 10c each; \$1.00 per dozen.

WM. COPELAND (Darwin Tulip)—A beautiful lavender and the earliest of all forcing Darwins. 25c for 2; \$1.25 per dozen.

BRONZE QUEEN (Breeder Tulip)—A beautiful bronze with long stems. 10c each; \$1.00 per dozen.

FARNCOMBE SANDERS (Darwin Tulip)—Brilliant scarlet with clear white base. Famous as bedding variety. 25c for 2; \$1.25 per dozen.

REV. EW BANK (Darwin Tulip)—Heliotrope Lilac with a paler edge at the petals. 25c for 2; \$1.25 per dozen.

MIXED TULIPS

Liefgreen's Special Mixture of Darwin, Cottage and Breeder Tulips

A very choice assortment with splendid range of color. 90c per dozen; \$7.00 per 100.

Order Now—All Bulbs Sent Postpaid.

Liefgreen's Free Blooming Dutch Iris

Ready in September

Plant a few of these bulbs for their beautiful, graceful flowers. Dutch Iris are considered by many to be superior to Spanish Iris. They are earlier and larger. Easily grown in full sun or half shaded situations. Valuable for cutting. Plant in rows or clumps about three inches deep and 3 to 5 inches apart. The bulbs will naturalize and become stronger and throw larger blooms each season.

IMPERATOR—A splendid uniform deep blue.

First Size Bulbs—7c each; 75c per dozen; \$5.00 per 100.

Second Size Bulbs—5c each; 50c per dozen; \$3.50 per 100.

INDIAN CHIEF—A new and exquisite variety. Golden bronze, edges tinged violet.

First Size Bulbs—10c each; \$1.00 per dozen; \$7.00 per 100.

Second Size Bulbs—7c each; 75c per dozen; \$5.00 per 100.

YELLOW QUEEN—Brilliant golden yellow. Very large flower. Striking addition to the garden and exceptionally beautiful as a cut flower.

First Size Bulbs—7c each; 75c per dozen; \$5.00 per 100.

Second Size Bulbs—5c each; 50c per dozen; \$3.50 per 100.

WEDGEWOOD—Large clear wedgewood blue. Very tall and vigorous. The earliest of all Iris.

First Size Bulbs—7c each; 75c per dozen; \$5.00 per 100.

Second Size Bulbs—5c each; 50c per dozen; \$3.50 per 100.

WHITE EXCELSIOR—Tall, pure white. Flowers wide and very beautiful.

First Size Bulbs—8c each; 85c per dozen; \$6.00 per 100.

Second Size Bulbs—6c each; 60c per dozen; \$4.00 per 100.

DUTCH IRIS IN MIXED COLORS—A splendid mixture combination of the very best varieties.

First Size Bulbs—60c per dozen; \$4.00 per 100.

Second Size Bulbs—40c per dozen; \$3.00 per 100.

All of the Above Postpaid.

MUSCARI—Grape Hyacinth

Ready in October

HEAVENLY BLUE—The flowers appear in dense clusters resembling miniature Hyacinths. They are bright blue in color. 15c for 2; 65c per dozen; \$4.50 per 100. (Postpaid).



Tulips



Dutch Iris, Indian Chief

GLADIOLUS . . . Liefgreen's Selected Bulbs

Plant more Gladiolus bulbs this winter. This beautiful flower thrives exceedingly well when planted from November and on during the winter months.

Gladioli will thrive in almost any soil with the exception of extremely heavy soils. They require full sunlight and are liable to injury only from rank manure. Plant the bulbs six to nine inches apart to a depth of about four inches. We recommend free use of water during the season of active growth, particularly as the buds begin to show color, which is beneficial in producing fine flowers. We can furnish Gladiolus bulbs from November to March.

Liefgreen's Gladiolus Garden Special

All No. 1 Bulbs, Just Under Jumbo Size.

Excellent for Large Plantings.

40c PER DOZEN; 75c FOR 25; \$1.35 FOR 50;

\$2.50 FOR 100

ALL POSTPAID



Pelegrina

Jumbo Gladiolus Collection

One each of the 20 varieties listed

All Jumbo Bulbs

ONLY \$1.00, POSTPAID

LIEFGREEN'S SPECIAL ARIZONA Extra Choice Jumbo Gladiolus Mixture

Includes all of the fine varieties listed and many others.

All are Jumbo Bulbs.

60c PER DOZEN; \$3.50 PER 100. POSTPAID



L. Tigrinum

AGAPANTHUS UMBELLATUS (Blue Lily of the Nile)

A splendid ornamental plant bearing in early summer clusters of bright blue flowers on long stems standing well above the foliage. Does well in this section, but may not flower first year. Plant from November to March—large rooted divisions. Each 60c; F.O.B. Phoenix. Each 75c, Postpaid.



L. Rubrum



L. Regale

ORNITHOGALUM—Arabicum (Star of Bethlehem)

Throws up a tall stem with a cluster of star-shaped flowers; pure white with dark centers. Excellent for cutting, lasting a long time in water. Culture in the house is about the same as for Hyacinths. 20c for 3; 75c per dozen; \$5.50 per 100. Postpaid.

LIEFGREEN'S LILIES — (Usually Ready in October)

LILIUM CANDIDUM (Madonna Lily)—A very hardy early flowering Lily. The pure white flowers are fragrant and are borne on long stems. The best white Lily to plant out of doors. Plant in the fall for spring blooming. Should be planted only about 2 inches deep. 35c each; \$3.50 per dozen. Postpaid.

LILIUM REGALE (The Royal Lily)—A real beauty. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, blending out part way up the trumpet. The fragrance is similar to the jasmine. A splendid hardy Lily for the garden. First Size—35c each; \$3.50 per dozen. Postpaid.

LILIUM TIGRINUM (Tiger Lily)—The finest form of Tiger Lily with the richest color. The large, shapely flowers are of a rich dark salmon-orange, spotted with glossy black. This Lily is very robust in habit and of easy culture. Plant shallow. 40c each; \$3.50 dozen.



Tritoma

The Calla Lily is very popular as a house plant and also excellent for outdoor culture. If grown out of doors plant in a partially shaded location. Bulbs should be taken up every third or fourth year and separated. When dug, dry thoroughly and transplant. In the colder climates bulbs should be taken up for winter.

AETHIOPICA (White Calla Lily)—Very large blooms—pure white. Clear dark green foliage. Mammoth size bulbs. 35c each; \$1.85 for 6; \$3.50 per dozen.

ELLIOTTIANA (Yellow Calla Lily)—Blooms are large and a beautiful golden-yellow. Bright green leaves with perforations that have the appearance of white spots. Select size. 25c each; \$1.35 for 6; \$2.50 per dozen.

PINK CALLA LILY—Flowers rose-pink changing to cerise. Dwarf type. 75c each; \$4.00 for 6; \$7.50 per dozen.

ARUM PICTUM (Black Calla Lily)—Very attractive deep purple—almost black. Handsome foliage. Each 60c; \$3.00 for 6; \$6.00 per dozen.

TRITOMA

Commonly Called Red Hot Poker, Torch Lily, or Flame Flower.

TRITOMA HYBRIDS—A strong free flowering Red Hot Poker. Range in color from yellow to a beautiful deep orange. They are very hardy and bloom in the spring and fall, in 6-inch pots or gallon cans. 50c each. Postpaid, 75c.

AMARYLLIS

LIEFGREEN'S NEW GIANT AMERICAN HYBRIDS

HIPPEASTRUM grandiflora—The finest strain producing vigorous stems with from four to six giant blooms of the most perfect form. Colors range from white with varied markings of pink, rose, red and crimson; also brilliant reds, crimson, cherry and almost maroon. Jumbo Size—50c each; 3 for \$1.25; \$4.50 per dozen.

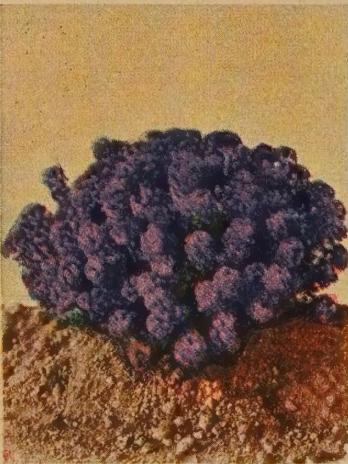
BELLADONNA—Major — Luxuriant foliage during fall, winter and spring. In late spring the foliage dies off and during the summer months the flower stalks rise from the bare ground with umbells of lovely rose-pink Lilies. Flowers are fragrant and keep well. The bulbs should be planted during the late fall and winter and spring months.

Large Size Bulbs—25c each; \$2.50 per dozen. Postpaid.

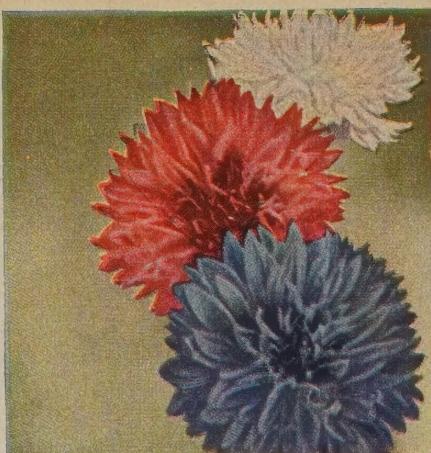
JOHNSONI — Brilliant red and very large flowers. One of the very finest. Very seldom fail to bloom. 50c each; 3 for \$1.25; \$4.50 per dozen. Postpaid.



L. Elliottiana — Yellow Calla Lily



Alyssum, Violet Queen



Mixed Bachelor Buttons



Calendula, Campfire Improved

PLANT LIEFGREEN'S FLOWER SEEDS

GIANT SNAPDRAGON (*Antirrhinum*)

Liefgreen's Arizona Giants

A tall large flowering type particularly valuable as cut flowers. We offer the following separate colors as well as mixed.

QUEEN VICTORIA—Pure white.

CARDINAL—Dazzling Scarlet.

GOLDEN KING—Golden Yellow.

BRONZE HARMONY—Terra Cotta Orange.

ROSE QUEEN—Soft Rose Pink.

OTHELLO—Dark maroon, satin sheen.

Named varieties as above—Pkt. 10c, 1/4 oz. 60c; 1 oz. \$2.00.

LIEFGREEN'S SPECIAL MIXTURE TALL GIANT FLOWERING SNAPDRAGON—A well balanced mixture of the above colors and many others. Pkt. 10c, 1/4 oz. 40c, 1 oz. \$1.25.

Semi-Dwarf Snapdragon (*Antirrhinum*)

LIEFGREEN'S SEMI-DWARF SNAPDRAGON—Height about 15 inches. Equally as lovely as the tall. Excellent named varieties as follows:

FASCINATION—Deep Pink.

DAZZLER—Bright Scarlet.

WHITE WONDER—Pure White.

LUTEUM SUPERBUM—Pure Yellow.

VICTORY—Terra Cotta Orange.

Named varieties as above. Pkt. 15c, 1/4 oz. 75c; oz. \$2.50.

SEMI-DWARF VARIETIES MIXED—All colors. Pkt. 10c, 1/4 oz. 60c, oz. \$2.00.



Liefgreen's Giant Snapdragon

General Planting Suggestions

Light, rich loamy soil is best suited to flowers. If the soil is of a heavy nature, add sand or peat moss and a liberal scattering of air-slacked lime to form a better texture. Prepare the soil as fine and smooth as possible. The depth of planting flower seeds is very important. Very fine seeds should be planted on the surface and pressed into the soil, then sprinkle over the surface a light mulch to aid germination. Medium sized seeds should be planted 1/4 to 1/2 inch deep, while larger seeds such as Sweet Peas, should go deeper. A light mulch should be spread over all seeds planted, as it is the best method of keeping the soil moist and cool. Water with a fine spray to avoid washing the soil from the seeds. When large enough, thin young plants from 2 to 12 inches apart, depending on the variety. Give them plenty of room to develop, allow plenty of moisture and good drainage and the results will surprise you.

SWEET ALYSSUM

Invaluable as a border plant. Annual. Plant from early fall to late spring. Blooms within six to eight weeks.

VIOLET QUEEN (NEW)—Dwarf, bright violet. Really beautiful. Pkt. 15c, 1/4 oz. 35c, 1/2 oz. 65c; oz. \$1.25.

LITTLE GEM—Dwarf, White; free blooming. Pkt. 10c, 1/2 oz. 35c, oz. 60c.

LILAC QUEEN—Dwarf, deep lavender. Pkt. 10c, 1/2 oz. 40c, oz. 75c.

MIXED SWEET ALYSSUM—A well blended mixture of dwarf varieties. Pkt. 10c, 1/2 oz. 35c, oz. 60c.

Ageratum

MIDGET BLUE—(All-America Silver Medal.) This is an ideal annual edging for flower beds and for borders. The flowers are fluffy bright azure-blue, growing in clusters and entirely covering the plants. Height about 4 inches. Pkt. 25c, 5 pkts. \$1.00.

BLUE PERFECTION—A very fine bedding sort, compact and large flowered. Color a deep amethyst blue. Height 1 ft. Pkt. 10c, 1/4 oz. 20c, oz. 60c.

African Daisy

(*Dimorphotheca Aurantiaca*)

One of the best winter flowering annuals. The bright daisy-like flowers appear on stems about a foot high and cover beds, borders and parkings with a mass of blooms. Blooms within six to eight weeks.

NEW ORANGE IMPROVED—Large flowers, bright deep orange. Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

GLISTENING WHITE (New)—Dazzling white petals with blue-black center. Pkt. 15c 1/8 oz. 75c, 1/4 oz. \$1.25.

HYBRIDS—Mixed colors ranging from white, light pink, apricot, yellow and orange. Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

Cactus

Cactus seed should be planted during the spring and summer months in natural desert soil or a mixture of sand, fine silt and leaf mold. Seed should be planted shallow and kept slightly moist until germination, then watered sparingly.

MIXED VARIETIES—Including many rare sorts. Pkt. 25c, 5 pkts. \$1.00.

Bachelor Button or Cornflower

(*Centaurea Cyanus*) Hardy annual requiring little care. Height 12 to 14 inches. Nice as a cut flower alone or in mixed bouquets.

FLORIST'S BLUE—Large flowers, bright deep blue. Pkt. 10c, oz. 60c.

MIXED COLORS—Light and dark blues, white, rose pink and light red shades. Pkt. 10c, oz. 40c.

BROWALLA

ELATA BLUE—Free flowering half hardy annual. Bright blue flowers. Height 18 inches. For bedding and cutting. Pkt. 10c, 1/4 oz. 40c, 1 oz. \$1.25.

Calendula

(*Pot Marigold*) One of the most popular and showiest of the winter and spring blooming flowers. Used for beds, borders and cut flowers. Plant from September throughout the winter and early spring months. Height about 12 to 18 inches. Thin to 12 inches apart.

CAMPFIRE SENSATION IMPROVED—Extra large, deep orange with scarlet sheen. Pkt. 15c, 1/4 oz. 30c, oz. 90c.

CHRYSANTHA FLOWERED—Resembling a chrysanthemum in an exquisite buttercup yellow. Pkt. 10c, 1/2 oz. 40c, oz. 75c.

ORANGE SHAGGY—Petals deeply fringed and overlapping. Bright orange. Pkt. 10c, 1/2 oz. 40c, oz. 75c.

ORANGE KING—Deep orange red with dark center. Large flowers. Pkt. 10c, oz. 40c.

LEMON QUEEN—Rich clear lemon yellow with dark center. Large flowers. Pkt. 10c, oz. 40c.

RADIO—Golden yellow with petals evenly and prettily quilled. Pkt. 10c, oz. 50c.

APRICOT QUEEN—Soft apricot shaded orange, dark center. Pkt. 15c, 1/4 oz. 30c, 1/2 oz. 50c, oz. 90c.

DOUBLE MIXED CALENDULAS—Large flowers, long-stemmed varieties and colors. Pkt. 10c, oz. 40c.

Anagallis

GRANDIFLORA MIXED—Small daisy-like brilliant colored flower for bordering. Easily grown. Pkt. 10c, 1/4 oz. 25c, oz. 75c.



Ageratum, Midget Blue

Calliopsis

Showy and beautiful free-flowering annual thriving in most any location except complete shade. Have a long blooming period and make lovely bouquets. Plant from September to May. Height 2 to 3 feet.

BL-COLOR DWARF MIXED—Yellow with dark center. Pkt. 10c, oz. 40c.



Mixed Carnations

Carnation

Plant from September until April. Cover seed lightly and protect until established. Transplant to about 12 inches apart. Perennial if in semi-shade during the summer months. Height about 12 inches.

MARGUERITE MIXED—Flowers mostly double in an excellent range of colors. Pkt. 10c, 1/4 oz. 60c, oz. \$1.75.

CHABAUD'S GIANT FLOWERING IMPROVED—A magnificent strain and one of the largest carnations grown. Ten to 20 stalks to the plant. About 95 per cent double. Height 18 to 24 inches. Pkt. 20c, 1/8 oz. \$1.00 1/4 oz. \$1.75.

Canterbury Bells

Generally a biennial but will bloom in Arizona the first spring if planted early in the fall months. Large bell-shaped flowers on strong growing plants. An old favorite. Height 2 ft.

Mixed colors: Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

Candytuft

A hardy annual producing large flower clusters resembling hyacinths. Plant during the fall, winter and early spring months. Height 12 to 18 inches. Fine for borders or cutting.

UMBELLATA MIXED—Also White, Pink and Crimson—Each, pkt. 10c, oz. 40c.



Sweet Sultans, Mixed Colors

Centaurea Moschatos

(Sweet Sultan)—The large thistle-like blossoms are a well known favorite growing to a height of 2 1/2 feet. Colors range from deep lavender, rose, pink, yellow and white. Plant in the open during the fall months.

MIXED COLORS—Pkt. 10c, 1/4 oz. 25c, oz. 75c.

Chrysanthemum (Annual)

Plant seed during the spring months and disbud for large blooms.

SINGLE and DOUBLE MIXED—Many bright shades and varieties. Pkt. 10c, 1/2 oz. 25c, oz. 45c.

Clarkia

A hardy annual very popular as it thrives well in semi-shady locations. Handsome flowers on leafy stems—nice for beds or cutting. Height 18 inches. Plant in the fall or early spring.

SINGLE and DOUBLE MIXED—Many colors ranging from bright crimson, orange, salmon, pink and purple. Pkt. 10c, oz. 60c.

Columbine

(*Aquilegia*)—Plant in semi-shade during the fall and winter months. Will make vigorous plants with delicate lacy-like foliage and bloom abundantly the following spring. Perennial. Height about 2 to 3 feet.

LONG-SPURRED HYBRIDS—A superb strain producing very beautiful large flowers in all shades of blue, lavender, yellow, rose and white. **Mixed colors:** Pkt. 10c, 1/8 oz. 40c, 1/4 oz. 75c, oz. \$2.50.



Columbine, Long Spurred Hybrids

Coreopsis

Plant seed during the fall and winter months in any location except all shade. The lovely golden yellow flowers have a long blooming period throughout the spring and early summer months. Height 2 feet. Nice for cutting. Annual.

NEW DOUBLE SUNBURST—Large double flowers. Very bright and showy. Pkt. 10c, 1/2 oz. 75c.

ARIZONA SUNBEAM—Very large golden flowers. Single. Pkt. 10c, oz. 50c.

Dahlias

UNWIN'S DWARF HYBRIDS MIXED—Minature semi-double flowers of charming color. Height 18 to 24 inches. Sow seed in beds or flats and transplant to permanent location. Pkt. 25c.

Digitalis

FINEST MIXED—Salmon, yellow, purple, rose and white with blotched throats. Pkt. 10c, 1/4 oz. 30c, oz. 75c.

Double Daisy

(*Bellis Perennis*)—Plant early in the fall for early spring blooms.

MIXED COLORS—Pkt. 10c, 1/8 oz. 60c.

Shasta Daisy

A perennial which may be planted from early fall until late spring.

ALASKA—The best large flowered single variety. Long, strong stems. Pkt. 10c, 1/8 oz. 40c, 1/4 oz. 65c.

GIANT DOUBLE (DIENER'S STRAIN)—Very large and about 80% very double, resembling a delicate shaggy chrysanthemum. New and unusual. Pkt. 25c.

Painted Daisy

(*Annual Chrysanthemum*)—Daisy-like flowers are varied and many colored. Large blooms on long stems, making them particularly valuable for cut flowers. Plant during the fall months. Height to about 2 1/2 feet. All colors mixed: Pkt. 10c, oz. 45c.

Godetia

Very lovely annual plants specially suited for semi-shady locations. The flowers are bright and colorful somewhat resembling the Azalea in form. Stems are long, making them valuable for cut flowers.

TALL DOUBLE MIXED—Many colors including crimson, salmon, pink and white. Pkt. 10c, 1/4 oz. 20c, oz. 60c.

Dianthus

(**Chinese Pinks**)—Hardy annuals, bearing beautifully colored single and double blossoms. Grows about 12 inches high. Plant early in the fall in rows where plants are to remain. Thin to 8 inches apart.

HEDDEWIGI DOUBLE MIXED—All colors in scarlet, pinks, and white. Pkt. 10c, 1/2 oz. 50c, oz. 90c.

HEDDEWIGI SINGLE MIXED—Fine selection of colors. Pkt. 10c, 1/2 oz. 40c, oz. 75c.



Dianthus, Gold Medal Hybrids

Delphinium

(**Perennial Larkspur**)—Tall spikes heavily flowered. Sow seed during the early fall months in the open where they will receive high shade during the flowering period. Height 3 feet.

BELLAMOSUM—A deep royal blue. Pkt. 15c, 1/8 oz. 60c, 1/4 oz. \$1.00.

GOLD MEDAL HYBRIDS—A mixture of lovely blues, lavender and mauve shades. Pkt. 15c, 1/8 oz. 35c, 1/4 oz. 60c, 1/2 oz. \$1.00.

Evening Primrose

A tall growing plant bearing an abundance of large yellow flowers which expand in the evening. May be planted in partial shade. Sweet scented. Pkt. 10c, 1 oz. 25c.

Evening Scented Stocks (Mathiola)

A delightful free-flowering annual, 6 to 8 inches in height. Flowers are purple and are noted for their fragrance emitted during the evening. Plant during fall and winter months. Pkt. 10c.



Shasta Daisy, Giant Double

Gerbera

(**Jamesonii Hybrids**)—Large daisy-like flowers with 2-foot stems. Also called Transvaal Daisy. Beautiful color range. Sow seed carefully under a light mulch in sandy, well-drained soil. Pkt. 25c.



Gaillardia, The Dazzler

Gaillardia

Effective and valuable summer flowering plants for bedding, borders and for cutting. Sow seed from early fall on through the spring months for a succession of blooms throughout the spring and summer months. Annual. Height 1½ feet.

SINGLE and DOUBLE MIXED—Very large flowers in splendid combinations of crimson, red, yellow and gold. Pkt. 10c, ¼ oz. 25c, oz. 75c.

THE DAZZLER—A vivid orange red with outer edge of petals a golden yellow. Very large. Pkt. 15c, ¼ oz. 50c, oz. \$1.50.

INDIAN CHIEF—Large flowered and single. Metallic bronzy red with mahogany-brown center. Pkt. 10c, ¼ oz. 25c, oz. 75c.

Gypsophila

(Baby Breath)—The light feathery sprays of tiny flowers are very popular for mixing with other flowers. Sow seed during the fall months where they are to remain. Height about 18 in.

ELEGANS GRANDIFLORA—Pure white. Pkt. 10c, oz. 25c.

ELEGANS CARMINE—A beautiful deep carmine in color. Pkt. 10c, oz. 35c.

Geranium

Will bloom the first year from seed if planted early in the fall. Mixed colors of numerous shades including many of the newer sorts. Pkt. 15c.

Geum

Plant seed in the spring for a long blooming period during the summer. Flowers in small clusters on long sturdy stems. Perennial.

MRS. BRADSHAW—Double. Bright red. Pkt. 15c.

MIXED VARIETIES—Orange, red and yellow shades. Pkt. 15c.

Lobelia

(Crystal Palace)—Plants very compact, profusely covered with rich blue flowers. Reddish foliage. Height 4 inches. Excellent for borders. Sow during fall months. Pkt. 10c, ½ oz. 50c, ¼ oz. 85c.

Hollyhocks

Indispensable wherever height and color are required in the garden. Seed sown in the fall should bloom throughout the following season.

LIEFGREEN'S DOUBLE HOLLYHOCKS—Crimson, Newport Pink, Yellow and White. Each pkt. 15c, ¼ oz. 75c.

DOUBLE MIXED HOLLYHOCK—Selected seed from choice double flowers. Pkt. 10c, ¼ oz. 50c.

HOLLYHOCK INDIAN SPRING—Semi-double flowers of bright rose and rosy carmine. Sow in fall or early spring. Flowers in 5 months from seed. Pkt. 15c, ½ oz. 70c, ¼ oz. \$1.25.

Linum

(Scarlet Flax)—A hardy annual of slender and graceful appearance with fine foliage and bright red flowers. Fine for borders and mass display. Plant during fall, winter and spring months. Pkt. 10c, oz. 40c, ¼ lb. \$1.00.

LINUM PERENNE (Blue Flax)—Like scarlet flax but producing a profusion of deep blue flowers. Pkt. 10c, oz. 50c.



Hollyhock, Indian Spring

Larkspur

Few annuals in our gardens equal the Larkspur in usefulness and charm. Height 3 to 4 feet. Sow seed during the fall months for a long continuation of bloom in the spring.

GIANT DOUBLE STOCK FLOWERED LARKSPUR—Separate colors of Light Blue, Dark Blue, Rose, Lilac, White and Lustrous Carmine. Each color. Pkt. 10c, ¼ oz. 25c, oz. 75c.

DOUBLE STOCK FLOWERED MIXED COLORS—All of the above colors and many more varieties in a grand mixture. Pkt. 10c, ¼ oz. 25c, oz. 75c.

GIANT IMPERIAL LARKSPUR—Superb Mixed—A superior strain, upright in habit, branching from the base. Very double. All colors. Pkt. 15c, ¼ oz. 30c, ½ oz. 50c, oz. 90c.

Linaria

(Baby Snapdragon)—Pretty annuals; attractive in beds and as cut flowers. Plant through the fall, winter and spring months. Height 2 feet. **Mixed Colors**—Include blue, rose, lavender, yellow, etc. Pkt. 10c, oz. 50c.

Lupin

Exceedingly attractive annual and easily grown. The handsome spikes covered with a profusion of blooms grow to a height of 2 to 3 feet. Plant during the fall, winter and spring months. Thin to about 12 inches apart. Semishade.

HARTWEGI—Dark Blue, Sky Blue, Roseous Pink and Mixed colors. Each: Pkt. 10c, oz. 30c.

RUSSELL'S PRIZE MIXTURE—The finest and most beautiful strain of Lupins grown. Superb range of colors. Pkt. 20c, ½ oz. 50c.

Mignonette

A hardy annual growing from 6 to 12 inches high. Can be grown in shady places. Plant during the fall, winter and spring months. **Giant Machet Mixed**—Pkt. 10c, oz. 30c.

Nemophila

(Baby Blue Eyes)—Nice for carpet bedding, growing about 6 inches high. Blossoms cup-shaped.

INSIGNIA BLUE—Pkt. 10c, oz. 30c.



Nasturtium, Golden Gleam



Larkspur, Giant Imperial

Nigella

Hardy annual, 1 foot high, oddly shaped blossoms, elegant foliage. Sow during fall and winter months.

MISS JEKYLL—A long-stemmed sort with beautiful cornflower-blue blossoms. Pkt. 10c, ½ oz. 25c, oz. 40c.

NASTURTIUMS

Plant in February and March for spring flowers and early in the fall in protected places for fall blooming. Nasturtiums prefer dry, rather rocky soils such as we usually call "poor" soil and bear their flowers in such locations in greater profusion than in a rich soil, where they run too much to foliage.

NEW SEMI-DOUBLE SWEET-SCENTED NASTURTIUMS

SCARLET GLEAM—Bright red extra large flowers. Bush type which throw out runners 12 to 18 inches.

GOLDEN GLEAM—Like Scarlet Gleam but of an attractive bright golden yellow color.

GLORIOUS GLEAM HYBRIDS—Same habit and growth as Golden Gleam and Scarlet Gleam. A glorious assortment of brilliant shades.

DWARF DOUBLE GEM MIXTURE—Ideal annual for borders and edging use. The plants are truly dwarf and compact. The flowers are of good size, sweet-scented and semi-double. Colors include all shades and many spotted varieties.

Each Variety: Pkt. 10c, oz. 25c, ¼ lb. 60c. **INDIAN CHIEF** (New Semi-double Gleam)—Indian Chief has dark foliage contrasting its bright scarlet flowers. Bush type with runners averaging 12 to 18 inches. Pkt. 15c, oz. 75c.

LIEFGREEN'S SPECIAL DWARF SINGLE MIXED—Compact plants entirely without runners. Same lovely color range as the Tall sort. Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

Single Nasturtiums

LIEFGREEN'S SPECIAL TALL SINGLE MIXED—All single flowers, unusually large. Mixture contains many new colors and varieties as well as the old-fashioned ones. Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

Nierembergia

(Hippomanica)—Plants form a dense mat, 6 in. high, 1 ft. or more across and are thickly covered with beautiful lavender blue cup-shaped flowers. Plant during the fall and winter months. Highly recommended. Pkt. 25c.

PANSIES

PANSIES are so well known they need no description. For successful germination and lovely blooms, prepare the soil carefully. Plant seed during the fall months in a semi-shady location, in well moistened, finely pulverized soil, enriched with a slight amount of barnyard fertilizer or bone meal. Cover seed lightly and firm soil. Keep beds moist but not soaking wet until plants are up. Transplant to 8 to 12 inches apart. Water young plants very sparingly to avoid damping off, but do not allow soil to dry out at any time. Annual.

Exhibition Strain

SANTA ANITA GIANT SWISS PANSIES—The original Santa Anita Giant Swiss Pansies that astonish and delight every visitor at this famous track every season. Immense flowers, long stems and brilliant colors. Large pkt. \$1.00, half size pkt. 50c, 1/16 oz. \$1.50, 1/8 oz. \$2.75, 1/4 oz. \$5.00.

Giant Mastodon Strains

STEELE'S SUPER SWISS JUMBO MIXED—This is the original strain from Steele's Pansy Gardens and are the largest and most beautiful pansies grown. Many colors and color combinations. Stems very long and strong, standing well above the foliage. Pkt. 50c, large pkt. \$1.00, 1/16 oz. \$1.50, 1/8 oz. \$2.75, 1/4 oz. \$5.00.

Liefgreen's Special Large Flowered Swiss Giants

SWISS GIANT MIXED—Large size flowers of excellent uniform quality on long, strong stems. All colors and color combinations represented. Many frilled and sweet-scented. Pkt. 25c, 1/16 oz. \$1.00, 1/8 oz. \$1.75, 1/4 oz. \$3.00.

Special Bedding Mixture

LIEFGREEN'S GOOD MIXED PANSY—Medium size blooms, extremely free flowering. Especially desirable for larger beds and borders where a mass of color rather than size of the individual bloom is wanted. A full range of color. Pkt. 15c, 1/4 oz. 50c.

PETUNIAS

PETUNIAS cannot be equaled for beds and borders. They flower throughout the year even through the hot summer months. Start planting in September and continue through the spring months. Scatter seed thinly on an even well prepared soil and cover lightly with fine silt or sand, pressing firmly with a board so that seed adheres to the soil. A light mulch of barnyard fertilizer or peat moss is beneficial. Thin plants to 8 to 12 inches. Do not over water. Petunias grow from 1 to 1 1/2 feet high, except miniature sorts and the dwarf single bedding types, which attain 8 inches or less.

Petunia Hybrida—Spreading Type

PETUNIA, RADIANCE—(Silver Medal, All-America Selections, 1941.)—A very brilliant and rich rose or cerise color with brown veined yellowish throat. Begins blooming very early and profusely; of uniform height, branching nicely. An outstanding petunia. Pkt. 25c.

HOLLYWOOD STAR—Rich rose color with amber throat. Flowers star-shaped. Pkt. 15c, 1/16 oz. 50c, 1/8 oz. 85c.

VIOLACEA—Deep velvety purple. Pkt. 15c, 1/8 oz. 40c, 1/4 oz. 90c.

HOWARD'S STAR—Velvety purple with pure white star center. Pkt. 15c, 1/8 oz. 40c, 1/4 oz. 70c.

TOPAZ ROSE—Fiery rose suffused gold; topaz color throat. Pkt. 20c, 1/16 oz. 50c, 1/8 oz. 85c.

WHITE KING—Very large pure white flowers. Pkt. 15c, 1/8 oz. 35c, 1/4 oz. 60c.

GEN. DODDS—A rich blood red. Flowers are large and free blooming. Pkt. 15c, 1/8 oz. 35c, 1/4 oz. 60c.

BLACK PRINCE—Balcony type. Deep velvety red. Pkt. 20c, 1/16 oz. \$1.00, 1/8 oz. \$1.75.



Liefgreen's Giant Pansy—Exhibition Strain

Petunia—Ruffled Dwarf Types

BETSY ROSS—Red and white ruffled flowers. Golden and deep red throat. Compact and very free flowering. Pkt. 25c, 5 pkts. \$1.00.

MARTHA WASHINGTON—Blush pink deepening to dark violet throat. Ruffled flowers, dwarf compact plant. Pkt. 25c, 5 pkts. \$1.00.

Petunias—New and Popular Varieties

BLUE BROCADE, VICTORIOUS ALL-DOUBLE—Silver Medal, All-America Selections, 1941. This is a fine true violet-blue colored, giant fringed all-double Petunia. The habit of the plant is dwarf and very uniform, making it valuable for bedding or cut flowers. Pkt. 50c.

FIRST LADY—Silver Medal, All-America Selections, 1941—Exceptionally uniform dwarf Petunia. Large 2 1/2-inch flowers of beautiful light or blush pink in profusion all season. Unique color, distinct and pleasingly desirable. Uniform, compact, 12-inch plants. Pkt. 35c.

PETUNIA, GIANTS OF CALIFORNIA—Fringed and ruffled. Light and dark colors with attractive deep throats, many beautifully veined. Mixed colors only. Pkt. 25c, 5 pkts. \$1.00.



Petunia, Topaz Rose



Petunia, Betsy Ross



Petunia, Giants of California



Phlox, Art Shades Mixed

Phlox Drummondii

Large verbena-like flower growing in clusters on long strong stems. Compact plant. Fine for bedding, borders and cut flowers. Plant in the open in the fall and winter months for a gorgeous display of blooms during the spring months.

CRIMSON, WHITE, VIOLET, FLESH PINK, MIXED. Each: Pkt. 10c, $\frac{1}{4}$ oz. 60c, oz. \$1.75. **GIGANTEA ART SHADES, MIXED**—Individual flowers immensely large. Color tones beautiful and unusual. Height 12 to 18 inches.

Mixed Colors—Pkt. 15c, $\frac{1}{8}$ oz. 75c, $\frac{1}{4}$ oz. \$1.25.

PHLOX, ROSY MORN—Giant single, annual phlox of brilliant rose with a white eye. Extra large flowered, pleasing color combination and an early, free bloomer. True and uniform. Twenty inches tall. Pkt. 25c.

SAFON GLORY—Gigantic single florets in very large clusters. An outstanding novelty, pure salmon in color with a distinct creamy white eye. Pkt. 20c, 11 pkts. 50c.

POPPIES

Probably no flower enjoys a greater popularity than the Poppy. They may be had in many varieties, heights, and brilliant or delicate colors. Seed should be sown in the open during the fall months in a location where the plants are to flower, as they do not transplant easily. Annual.

ICELAND (Sandford's Giants)—Undoubtedly one of the best Iceland Poppies. The flowers are immense and borne on long, stiff stems making them excellent for cutting. A beautiful range of colors. Pkt. 20c.

ICELAND POPPY, SINGLE MIXED—Brilliant array of colors. Pkt. 10c, $\frac{1}{2}$ oz. 60c.

SHIRLEY POPPY, SINGLE MIXED—Improved large flowering strain of many delicate shades. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c.

SHIRLEY POPPY, DOUBLE MIXED—Beautiful begonia-like flowers. All colors. Height about 18 inches. Pkt. 10c, $\frac{1}{4}$ oz. 35c, oz. \$1.00.

SHIRLEY POPPY, WHITE—Pure white, sheer and very lovely. Pkt. 10c, $\frac{1}{2}$ oz. 40c, oz. 75c.

PEONY FLOWERED POPPY—Large and very double, resembling a peony of delicate texture. COLORS—Shrimp pink, Pansy violet and Cardinal red. Each Color: Pkt. 10c, oz. 50c.

PEONY FLOWERED POPPY, MIXED—All colors. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c.

CALIFORNIA POPPY, IMPROVED ORANGE—Very deep golden orange; large cup-shaped flowers. Height about 1 ft. Pkt. 10c, oz. 50c.

CALIFORNIA POPPY, GOLDEN WEST—Bright yellow with orange center. Very large flowers. Height about 1 ft. Pkt. 10c, oz. 35c.

CALIFORNIA POPPY, BRILLIANT MIXED—A mixture of orange, yellow, pink and white. Makes a beautiful display. Pkt. 10c, oz. 50c.

GLAUCUM, TULIP FLOWERED—Flowers vivid scarlet on tall strong stems. Pkt. 10c, $\frac{1}{2}$ oz. 60c, oz. \$1.00.

ARIZONA POPPY, RAINBOW GROUP—A mixture of many varieties and brilliant shades including the desert types. Pkt. 10c, oz. 50c.

Poppy Hunnemannia

(Mexican or Giant Yellow Tulip Poppy) — **SUNLITE**—Gorgeous semi-double. Clear bright yellow. Pkt. 15c, $\frac{1}{4}$ oz. 50c, $\frac{1}{2}$ oz. 85c.

GIANT SINGLE—Magnificent golden yellow flowers with orange anthers. Pkt. 10c, $\frac{1}{4}$ oz. 25c, $\frac{1}{2}$ oz. 40c.

Pyrethrum

ROSEUM—Height 2 feet. Plant during the fall and winter months.

SINGLE MIXED—Pkt. 10c, $\frac{1}{8}$ oz. 40c.

Queen Anne's Lace Flower

This hardy annual grows to a height of 3 to 4 feet. The large loosely formed terminal clusters of tiny white flowers are used extensively as cut flowers. Plant during the fall and early winter months. Pkt. 10c, $\frac{1}{4}$ oz. 25c, oz. 75c.

Ranunculus

Plant during the fall months in well drained soil and a sunny location.

MIXED COLORS—Pkt. 10c, $\frac{1}{4}$ oz. 40c, $\frac{1}{2}$ oz. 70c.

Salpiglossis

Very showy bedding or border plants, with richly colored, funnel-shaped flowers, which are purple, scarlet crimson, yellow, buff, blue and almost black. Height 2½ feet.

SUPERBISSIMA MIXED—Containing many lovely color combinations. Pkt. 10c, $\frac{1}{4}$ oz. 35c.

Schizanthus

Height about 1 foot. Annual. Pkt. 10c, $\frac{1}{4}$ oz. 40c, $\frac{1}{2}$ oz. 70c.

Scabiosa

(**Mourning Bride** or **Pincushion Flower**)—Annual resembling a round pincushion. The flowers grow on long wiry stems, 2½ ft. high. They bloom profusely and are a lovely addition to the garden or in bouquets. Azure Fairy Blue, White, Crimson, Rose Pink. **Each color:** Pkt. 10c, $\frac{1}{4}$ oz. 30c.

GRANDIFLORA MIXED—All colors mixed. Pkt. 10c, $\frac{1}{4}$ oz. 25c.

Sweet William

(**Dianthus Barbatus**)—Vigorous free-flowering perennial. Individual florets grow in flat clusters on long stems. Plant large and compact. Colors are crimson, scarlet, pink and white with variations. Plant during the fall.

DOUBLE MIXED—Pkt. 10c, $\frac{1}{4}$ oz. 35c.

SINGLE MIXED—Pkt. 10c, $\frac{1}{4}$ oz. 25c.



Stocks, Giant Imperial

Stocks

GIANT DOUBLE IMPERIAL—This wonderful new strain of Stocks is branching in habit, very double florets in great profusion on long, strong stems. Sow seed in the fall in the open ground. Thin to 12 inches and remember the most delicate plants are usually the ones that produce the best double flowers. Annual. Height 18 inches to 2 feet.

BLOOD RED ROSE PINK
CHAMOIS (Ivory) WHITE
DARK BLUE GOLDEN ROSE
LAVENDER YELLOW

Each Color: Pkt. 15c, $\frac{1}{8}$ oz. 75c, $\frac{1}{4}$ oz. \$1.25.
GIANT IMPERIAL MIXED—All colors mixed. Pkt. 10c, $\frac{1}{8}$ oz. 50c, $\frac{1}{4}$ oz. \$1.00.

Virginia Stocks

Very attractive hardy annual, producing innumerable bright colored tiny flowers on thin stems and largely grown for beds and borders.

Height 6 to 12 inches. Colors: Crimson, Lavender, Rose, Yellow, and White.

MIXED ONLY—Pkt. 10c, $\frac{1}{2}$ oz. 20c, oz. 30c.

Venidium

Flowers grow to 4 or 5 inches in diameter on tall stems standing well above the gray-green foliage. Daisy-like with overlapping petals. Center blue-black with a lighter shade ray. Plant in full sun during the fall and winter months. Height 2 feet.

VENIDIUM FASTUOSUM—Orange yellow. Very large and bright.

VENIDIUM HYBRIDS—Mixed shades of apricot, white, salmon, yellow and orange. Orange or Mixed—Pkt. 15c, $\frac{1}{8}$ oz. 75c.

Vinca Rosea

(**Periwinkle**)—Ornamental bush-like plants with dark glossy foliage and handsome free-flowering blossoms in pink and white, like the floret of a very large single phlox. Plant seed in the early spring. Perennial. 16 to 18 inches tall. **MIXED COLORS**—Pkt. 15c, $\frac{1}{4}$ oz. 50c.

Wallflower

Height of 1 to 1½ feet. Plant during the fall months. Thin to 1 foot.

MIXED COLORS—Pkt. 10c, $\frac{1}{4}$ oz. 20c, $\frac{1}{2}$ oz. 35c.

Viola

Thrive best in a light, rich soil in a semi-shady location. Plant during the fall months. Height 6 inches. **MIXED COLORS**—Pkt. 15c.

Violet

Succeeds best in half shady situations. Sow seed during the fall and early spring months. Pkt. 35c.

Arizona Wild Flower Mixture

A fine mixture of many species. They may be planted from early fall to early spring, a longer blooming period resulting from the fall planting. Annuals. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 90c, 1 lb. \$3.00.

Straw Flowers (Everlasting)

GOMPHRENA or GLOBE AMARANTH—Mixed Colors—Pkt. 10c, oz. 60c.

HELICHRYSUM—Mixed Colors—Pkt. 10c, $\frac{1}{4}$ oz. 25c.

RHODANTHE—Mixed Colors—Pkt. 10c, $\frac{1}{2}$ oz. 40c, oz. 75c.

STATICE SINUATA—Blue, Yellow, Rose, Lavender, White, and Mixed. Each—Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c.

STATICE CASPIA—Lavender. Pkt. 15c, $\frac{1}{8}$ oz. 75c.

KERANTHEMUM—Pkt. 10c, $\frac{1}{4}$ oz. 25c.
MIXED STRAW FLOWERS—A mixture made up of the various varieties. Pkt. 10c, $\frac{1}{4}$ oz. 25c.

Liegreen's Beautiful Verbenas

Verbena grow low on the ground but have a spread of from 12 to 18 inches. The lovely individual florets grow in large clusters and the flowers may be used for cutting, or for very colorful beds and borders. Plant in the open during the fall, winter and spring months as they bloom practically all year round in Arizona. Allow plenty of space between plants. Plant seed shallow in a finely made rich soil and keep moist but not wet until plants are up.

GIANT HYBRID VERBENAS—Spectrum Red, Salmon Pink, Violacea Purple, and White.

Each color: Pkt. 15c, $\frac{1}{8}$ oz. 50c, $\frac{1}{4}$ oz. 85c.

MIXED GIANT HYBRIDS—All colors, many with white eyes. Pkt. 10c, $\frac{1}{2}$ oz. 35c, $\frac{1}{4}$ oz. 65c.

MAMMOTH VERBENAS—Lucifer Scarlet, Luminosa, Pink, Deep Purple, White, and Golden Yellow. Ea. color: Pkt. 10c, $\frac{1}{4}$ oz. 50c, oz. \$1.50.

MAMMOTH VERBENAS MIXED—All the most choice colors. Pkt. 10c, $\frac{1}{4}$ oz. 40c, oz. \$1.25.



Spectrum, Giant Hybrid Verbena

FALL 1941 VEGETABLE SEEDS

CAREFULLY TESTED AND SELECTED FOR THE HOME GARDEN AND MARKET GARDENERS

Ask or Write for Quantity Prices . . . All Prices Quoted Subject to Change Without Notice.

Asparagus

PALMETTO. Pkt. 5c, oz. 15c, 1/4 lb. 30c.
MARY WASHINGTON. Pkt. 5c, oz. 15c,
1/4 lb. 35c.
ASPARAGUS ROOTS—MARY WASHINGTON—40c dozen, \$2.00 per 100. Postpaid.

Cabbage

GOLDEN ACRE. Pkt. 5c, oz. 50c, 1/4 lb.
\$1.75.
COPENHAGEN MARKET. Pkt. 5c, oz. 50c,
1/4 lb. \$1.75.
EARLY WINNIGSTADT. Pkt. 5c, oz. 40c,
1/4 lb. \$1.25.
DANISH BALLHEAD. Pkt. 5c, oz. 50c, 1/4
lb. \$1.50.
EARLY JERSEY WAKEFIELD. Pkt. 5c, oz.
40c, 1/4 lb. \$1.25.
EARLY FLAT DUTCH. Pkt. 5c, oz. 40c, 1/4
lb. \$1.25.
RED DUTCH. Pkt. 5c, oz. 50c, 1/4 lb. \$1.50.
CHINESE CABBAGE—Pe-tsai. Pkt. 5c, oz.
40c, 1/4 lb. \$1.25.

Collards

TRUE GEORGIA. Pkt. 5c, oz. 20c, 1/4 lb.
50c.

Cauliflower

LIEFGREEN'S SELECT EARLY SNOWBALL
—Imported Danish and Holland seed;
very scarce. Pkt. 25c, 1/4 oz. \$2.00, 1 oz.
\$6.00, 1/4 lb. \$20.00.

Carrots

LIEFGREEN'S SELECT QUALITY
DANVERS—6 to 8 inches long.
IMPROVED CHANTENAY—5 to 6 inches
long.
OX HEART—Wide shoulder. 4 1/2 inches
long.
IMPERATOR—For bunching; length, 7 to
10 inches.

Prices on All Carrots Listed.

Pkt. 5c, oz. 40c, 1/4 lb. \$1.25.
Write for Quantity Prices.

Table Beet Seed

EARLY WONDER—Early round, small top.
DETROIT DARK RED—Sweet, tender, fine
grained.
CROSBY'S EGYPTIAN—Deep red early strain.
EARLY BLOOD TURNIP—Very tender, blood
red color.

Prices on All Beet Seed Listed.

Pkt. 5c, oz. 20c, 1/4 lb. 50c, lb. \$1.50.
Write for Quantity Prices.

Stock Beet Seed

MAMMOTH LONG RED—Very large size.
GOLDEN TANKARD—Heavy sugar content.
GIANT HALF SUGAR—Tender, sweet, very
heavy yielder.
SUGAR BEET (White Klein)—Richest in Sac-
charine.

Prices on Stock Beets.
Pkt. 5c, oz. 15c, 1/4 lb. 45c, lb. \$1.25.

Swiss Chard

(Foliage Beet). Pkt. 5c, oz. 20c, 1/4 lb. 50c, lb.
\$1.50.

Broccoli

(Green Sprouting Italian)—Cooked and eaten
like asparagus. Pkt. 5c, oz. 50c, 1/4 lb. \$1.65,
lb. \$5.00.

Brussels Sprouts

(Dwarf Paris Market). Pkt. 5c, oz. 60c, 1/4 lb.
\$2.00.

Endive

(Green Curled—Green Ribbed). Pkt. 5c, oz.
20c, 1/4 lb. 35c, lb. \$1.00.

Kale or Borecole

GREEN CURLED SCOTCH. Pkt. 5c, oz. 25c, 1/4
lb. 85c, lb. \$2.50.

Kohl-Rabi

Early White Vienna—Early Purple Vienna.
Pkt. 5c, oz. 35c, 1/4 lb. \$1.15.

Herb Seeds—For Planting

Anise, Sweet Basil, Borage, Caraway, Catnip,
Chervil, Coriander, Dill, Lavender, Sweet
Marjoram, Rosemary, Sage, Sorrel, Summer
Savory, Saffron, Fennel, Chives.

All Herbs, 10c per pkt. Postpaid.



Imperator Carrot

Head Lettuce

Prices on All Lettuce Varieties as Follows:

Pkt. 5c, oz. 20c, 1/4 lb. 40c.
Write for Quantity Prices.
NEW YORK IMPROVED No. 515.
NEW YORK SPECIAL.
ARIZONA WONDERFUL.
IMPERIAL No. 152.
IMPERIAL No. 615.
ICEBERG—for spring planting.

Leaf Lettuce

PARIS COS OR ROMAINE.
DENVER MARKET.

Leek—Large London

Pkt. 5c, oz. 60c, 1/4 lb. \$2.00.

Mustard

SOUTHERN CURLLED. Pkt. 5c, oz. 20c, 1/4 lb.
50c.
OSTRICH PLUME. Pkt. 5c, oz. 20c, 1/4 lb. 50c.
CHINESE WHITE. Pkt. 5c, oz. 40c, 1/4 lb. \$1.35.

Liefgreen's Onions

WHITE SWEET SPANISH. Pkt. 5c, oz. 75c, 1/4
lb. \$2.50, postpaid.

UTAH SWEET SPANISH. Pkt. 5c, oz. 75c, 1/4
lb. \$2.50.

GREAT GREEN BUNCHING ONIONS. Pkt. 5c,
oz. 50c, 1/4 lb. \$1.65.

CRYSTAL WHITE WAX—Very early, very mild
in flavor. Pkt. 5c, oz. 40c, 1/4 lb. \$1.35.

SILVER SKIN. Pkt. 5c, oz. 50c, 1/4 lb. \$1.65.

YELLOW GLOBE DANVERS. Pkt. 5c, oz. 60c, 1/4
lb. \$2.00.

YELLOW BERMUDA—Very early. Pkt. 5c, oz.
40c, 1/4 lb. \$1.35.

Liefgreen's Onion Sets

One pound of sets will plant about 50 feet of
row. White and Yellow. Lb. 30c, postpaid;
10 lbs. \$2.50, postpaid. Not postpaid, 20c lb.,
2 lbs. 35c, 10 lbs. \$1.50.

Parsnip

HOLLOW CROWNED—The very best parsnips,
either for table use or for stock. Pkt. 5c, oz.
25c, 1/4 lb. 75c.

Parsley

CULTURE—Sow in the fall for early spring.
As the seed is slow to germinate, a light mulch
over the seed bed will retain the moisture and
hasten germination. Cover lightly. One ounce
of seed will produce about 500 plants.

MOSS CURLLED—Excellent for garnish-
ment and flavoring and very decorative. Leaves are
very fine and crisp. Pkt. 5c, oz. 25c, 1/4 lb. 50c.

Peas

CULTURE—Plant peas from September to April
1. Peas are hardy and stand a great deal of
cold. During cold weather plant seed 1 to 2
inches deep; in the warmer months plant 3 to
4 inches deep. Sixty pounds to the acre is
the amount usually used.

Prices on pea seed as follows: Pkt. 5c, 1/4 lb.
15c, 1/2 lb. 25c, 1 lb. 40c, 10 lbs. \$3.00. Postpaid
to the 1st, 2nd and 3rd zones.

Prices F.O.B. Phoenix, not postpaid, as fol-
lows: Pkt. 5c, 1/2 lb. 15c, 1 lb. 30c, 10 lbs. \$2.50.
Write for special quantity prices.

LAXTON'S PROGRESS (Early)—Plant September
or October.

HUNDREDFOLD—An early variety and a great
favorite. Plant in September for a fall crop.

DWARF TELEPHONE—Planted after the Pro-
gress, usually in November for a spring crop.

GIANT STRIDE (Improved Stratagem)—A very
popular late bush variety.

Radishes

LONG WHITE ICICLE—The most popular white
radish.

EARLY LONG SCARLET—Brittle and sweet.
Matures early.

WHITE TIPPED SCARLET TURNIP—Crisp, ten-
der and sweet.

EARLY SCARLET TURNIP—Crisp and juicy.

CRIMSON GIANT—Does not get hollow or pithy.

FRENCH BREAKFAST—An early variety with
good flavor and attractive.

ROUND BLACK SPANISH—Black skin.

EARLY SCARLET GLOBE—Rich scarlet color.

MIXED RADISH—A mixture of all the best
varieties.

Price of all radishes listed: Pkt. 5c, oz. 15c,
1/4 lb. 45c, 1 lb. \$1.25, all postpaid.

Japanese Radish Varieties

NERIMA—Long, narrow, flesh snow white. Pkt.
5c, oz. 25c, 1/4 lb. 75c.

TOKINASHI—Very long. Finest of this type of
radish. Pkt. 5c, oz. 25c, 1/4 lb. 75c, lb. \$2.00,
postpaid.

Spinach

CULTURE—Sow in drills 12 to 18 inches apart
and for a succession, plant every two weeks.
Cultivate often and keep free from weeds. Sow
from September 1 to April, using 1 ounce of
seed to 75 feet of row and from 20 to 25 pounds
to the acre.

PRICKLY WINTER, HOLLANDIA (Broad Leaf)—
A splendid fall and winter variety, quick grow-
ing with large green leaves. Ask for quantity
prices. Pkt. 5c, oz. 15c, 1/4 lb. 35c, 1 lb. \$1.00.

NEW ZEALAND—A large seeded cut-and-come-
again variety. Pkt. 5c, oz. 25c, 1/4 lb. 50c, 1
lb. \$1.50, postpaid.

NOBEL (GIANT THICK LEAVED). Pkt. 5c, 1
oz. 15c, 1/4 lb. 35c, 1 lb. \$1.00.

Turnips

PURPLE TOP WHITE GLOBE—The most popular
and the most attractive turnip on the market.

PURPLE TOP STRAP LEAVED—Quick grower.

Flesh very fine grained and sweet.

WHITE EGG—An egg-shaped variety for early
or late planting.

EARLY WHITE FLAT DUTCH—White flesh,

medium size, quick growth.

GOLDEN BALL—Round, smooth, yellow turnip
of fine quality. Good keeper.

Rutabaga

OR SWEDISH TURNIP

IMPROVED YELLOW PURPLE TOP—The popu-
lar standard variety, both for stock feeding and
for table use.

All of the above turnips and rutabagas,
price: Pkt. 5c, oz. 15c, 1/4 lb. 35c.

LIEFGREEN'S GRASS SEEDS

Liefgreen's Lawn Seeds are thoroughly cleaned and tested for purity and germination.

DIRECTIONS FOR PLANTING—First level the ground thoroughly and pulverize the soil. Enrich with our Lawn and Garden Fertilizer at the rate of 100 pounds to 3000 square feet. Scatter the seed evenly over the surface at the rate of 1½ to 2 pounds to 10 x 10 feet for Australian Rye Grass; one pound to 10 x 20 for Blue Grass; one pound to 500 square feet for Bermuda Grass and one pound to 2000 square feet for White Dutch Clover when planted with other grasses. After sowing spread a light mulch of Horticultural Peat Moss over the surface. The mulch will quicken germination and prevent the soil from crusting. Water carefully and regularly with a fine spray, never allowing the surface to dry out until the grass is up. Plant Rye Grass, Blue Grass and White Clover from September 1st until early spring and Bermuda Grass during the spring, summer and fall months.

When you buy Liefgreen's Lawn Grass Seed you avoid failure and disappointment.



AUSTRALIAN RYE GRASS FOR WINTER LAWNS

Australian Rye Grass is an extremely hardy and the most popular winter lawn grass in the Salt River Valley and similar climates. Our seed is of the highest germinating quality, thoroughly recleaned and sure to please.

1 lb. 15c 10 lbs. \$1.25 25 lbs. \$3.00 Write or Phone for Quantity Prices.
All F.O.B. Phoenix. Add postage at Zone Rates for parcel post shipment.

BERMUDA GRASS

Used exclusively for summer lawns in the Salt River Valley and similar climates. We carry a very selected grade of seed, thoroughly recleaned, thereby eliminating the undesirable weed seeds. Lb. 50c; 10 lbs. \$4.50. Postpaid.

KENTUCKY BLUE GRASS

Fancy, recleaned seed of tested quality. Used for summer lawns in the higher altitudes and mountain districts and in the warmer sections for winter lawns. Lb. 50c; 10 lbs. \$4.50. Postpaid. Write for quantity prices.

RED TOP

AGROSTIS ALBA—A fine-bladed grass that is often used with Rye Grass and Kentucky Blue Grass for golf courses and lawn purposes. Also used for pasture grass in the higher altitudes. For pasture, sow 15 pounds per acre. Lb. 40c; 10 lbs. \$3.50. Postpaid.

WHITE DUTCH CLOVER

Strictly first-class seed, absolutely clean and pure and of the highest quality. Makes a very attractive lawn when mixed with winter lawn grass. Lb. \$1.25; 10 lbs. \$12.00. Write for quantity prices.

POA TRIVIALIS

Used for golf courses, putting greens and fairways and very satisfactory for lawns and in shady places. Leaves are narrow and flat. Lb. \$1.10; 10 lbs. \$10.50. Postpaid.

SEA SIDE BENT

AGROSTIS MARITIMA—A true creeping bent, used for putting greens. Our stock is recleaned and extremely pure and free from weed seeds. Certified (Blue Tag) Seed. 1 lb. \$1.25; 10 lbs. \$5.75. Postpaid.

For Beautiful Lawns, Flowers and Shrubs, Use . . . Liefgreen's Fertilizers

BANDINI COMPLETE SPECIALTY MIXTURES

Use These Complete Plant Foods for Best Results

	2½ lb.	5 lb.	10 lb.	25 lb.	50 lb.	100 lb.
Grow-Rite Lawn and Garden	\$.30	\$.45	\$.85	\$ 1.50	\$ 2.50	\$ 4.00
Rose Plant Food—Complete	.30	.45	.85	1.50	2.50	4.00
Bulb Plant Food—Complete	.30	.45	.85	1.50	2.50	4.00
Azalea Plant Food—Complete (for acid loving plants)	.30	.45	.85	1.50	2.50	4.00
Sweet Pea Food Complete	.30	.45	.85	1.50	2.50	4.00

MISCELLANEOUS PLANT FOODS AND CORRECTIVES FOR ALL PURPOSES

	3 lb.	5 lb.	10 lb.	25 lb.	50 lb.	100 lb.
Ammonium Phosphate 16-20-	\$.25	\$.40	.75	\$ 1.25	\$ 2.25	\$ 4.00
Aluminum Sulphate	.30	.50	.90	2.00	3.50	6.00
Blood Meal, Dried	.25	.45	.85	1.50	2.50	4.50
Bone Meal, Fine	.25	.40	.65	1.10	1.75	3.00
Cotton Seed Meal Fertilizer	.25	.40	.65	1.10	1.75	3.00
Gypsum, Agriculture	.10	.15	.25	.60	.85	1.25
Fish Meal Fertilizer	.25	.45	.85	1.50	2.50	4.50
Hydrated Lime	.15	.20	.30	.50	.75	
Nitrate of Soda	.25	.35	.65	1.10	1.75	3.00
Soil Sulphur, Agricultural	.25	.40	.65	1.20	2.00	3.50
Sulphate of Ammonia	.25	.35	.65	1.10	1.75	3.00
Sulphate of Potash	.30	.45	.75	1.35	2.25	4.00
Treble Super Phosphate	.30	.45	.75	1.25	2.00	3.50
Sulphate of Iron	.25	.40	.75	1.25	2.25	4.00
Sulphate of Zinc	.30	.45	.75	1.50	2.75	5.00

All Fertilizers and Soil Correctives are priced f.o.b. Phoenix.
Write for quantity prices.

VIGORO

Complete plant food

Inexpensive—Just a Few Pounds of Vigoro Will Make Your Garden Look Like a Million.

It has all the elements plants require from the soil. It's proper nourishment that gives Vigoro-fed plants their great vitality and beauty.

Use Vigoro this year. It costs little and goes far—four pounds properly feeds 100 square feet of lawn or garden area. We recommend clean, odorless Vigoro.

PRICES	
100 lb. bag	\$ 4.00
50 lb. bag	2.50
25 lb. bag	1.50

F. O. B. PHOENIX

SPECIAL NOTICE:—We will appreciate the names and addresses of any of your friends who are interested in gardening . . . We wish to send them our catalog.

Liefgreen's Monthly Planting Guide

FOR THE SALT RIVER VALLEY AND SIMILAR CLIMATES

September and October Planting List

VEGETABLE SEEDS—Beets, Cabbage, Carrots, Cauliflower, Collards, Cress, Endive, Garlic Sets, Herbs, Kale, Kohlrabi, Leek, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Radishes, Salsify, Spinach, Turnips.

VEGETABLE PLANTS—Cabbage and Cauliflower.

FLOWER SEEDS—African Daisy, Bachelor Button, Calendula, Candytuft, Carnation, Caliopsis, Centaurea, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Globe Amaranth, Gaillardia, Gypsophila, Hollyhocks, Larkspur, Linaria, Mignonette, Moon Vine, Nemophila, Nicotiana, Nigella, Pansy, Petunia, Phlox, Pinks, Poppies, Scabiosa, Snapdragons, Stocks, Sweet Alyssum, Sweet Peas, Sweet William, Verbena, Virginia Stocks, Venidium, Geum.

BULBS—Anemone, Amaryllis, Daffodils, Chinese Sacred Lily, Freesias, Galanthus, Hardy Lilies, Hyacinths, Iris, Jonquils, Narcissus, Oxalis, Paper Whites, Soleil D'Or (Yellow Paper Whites), Muscari, Ranunculus, Tulips.

LAWN SEEDS—Bermuda Grass, Blue Grass, Rye Grass, White Clover, Poa Trevialis, Bent Grass, Red Top.

FIELD SEEDS—Alfalfa, Barley, Oats, Winter Rye, Wheat.

November and December Planting List

VEGETABLE SEEDS—Beets, Cabbage, Carrots, Cauliflower, Endive, Garlic Sets, Kale, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Radishes, Spinach, Turnips.

VEGETABLE PLANTS—Cabbage and Cauliflower.

FLOWER SEEDS—African Daisy, Calendula, Candytuft, Carnation, Caliopsis, Centaurea, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Geum, Globe Amaranth, Gaillardia, Gypsophila, Hollyhock, Larkspur, Linaria, Mignonette, Moon Vine, Nemophila, Nicotiana, Nigella, Pansy, Petunia, Phlox, Pinks, Poppies, Scabiosa, Snapdragons, Stocks, Sweet Peas, Sweet William, Verbena, Virginia Stocks, Venidium.

LAWN SEEDS—Blue Grass, Rye Grass, White Clover, Poa Trevialis, Bent Grass, Red Top.

BULBS—Amaryllis, Anemone, Calla Lily, Chinese Lily, Soleil D'Or (Yellow Chinese Lily), Daffodils, Freesias, Galanthus, Gladiolus, Hardy Lilies, Hyacinths, Dutch Iris, Jonquils, Muscari, Oxalis, Paper White Narcissus, Ranunculus, Tulips.

FIELD SEEDS—Alfalfa, Barley, Oats, Winter Rye, Wheat.

January Planting List

VEGETABLE SEEDS—Asparagus, Beets, Cabbage Plants, Carrots, Cauliflower Plants, Collards, Endive, Kale, Kohlrabi, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Potatoes, Radishes, Rhubarb Roots, Spinach, Turnips, Strawberry Plants.

FLOWER SEEDS—African Daisy, Bachelor Buttons, Calendula, Caliopsis, Candytuft, Carnation, Centaurea, Chrysanthemum, Cosmos, Coreopsis, Double Daisy, Gaillardia, Gypsophila, Hollyhock, Larkspur, Linaria, Linum, Moon Vine, Mignonette, Nemophila, Nigella, Pansy, Petunia, Phlox, Pinks, Poppies, Salpiglossis, Shasta Daisy, Scabiosa, Stocks, Snapdragon, Sweet Alyssum, Sweet Peas, Virginia Stocks, Verbena, Venidium, Wall Flower.

BULBS—Amaryllis, Canna, Calla Lily, Chinese Lily, Crocus, Daffodils, Freesia, Gladiolus, Jonquils, Hardy Lilies, Hyacinths, Oxalis, Paper White Narcissus, Tulips, Ranunculus, Tuberoses.

LAWN SEEDS—Blue Grass, Rye Grass, White Dutch Clover.

FIELD SEEDS—Alfalfa, Barley, Oats, Rye, Wheat, Sweet Clover.

For the colder sections of Arizona the time of planting should be determined by the weather conditions. In Northern Arizona and in the higher altitudes most of the varieties listed here should be planted in the Spring, after all danger of frost.

HOW TO GROW SWEET PEAS

SWEET PEAS are so well known they need no description. We offer only the Giant Flowering Spencer strain in both the Early Flowering and the Spring Flowering types.

CULTURE: Sow seed in a location that receives morning and early afternoon sun. Seed may be planted from early fall to early spring. Dig a trench about a foot wide and deep and fill in with 6 inches of well-rotted manure. Mix a liberal amount of manure with the soil that has been removed and replace it. Flood bed thoroughly and allow to stand several days before planting seed. After the soil has settled sufficiently, open a trench in the bed about 6 inches deep and plant **ONE OUNCE** of seed to about 20 or 25 feet of row. During the warm weather cover seed about 2 or 3 inches deep and in cooler weather about 1 inch is sufficient. CARE MUST BE TAKEN DURING WARM WEATHER NOT TO ROT THE SEED WITH TOO MUCH MOISTURE. After planting seed soak the trench thoroughly and cover top with a light mulch of peat moss to prevent the surface soil from drying out and cracking. When the plants are up about 3 or 4 inches thin out to about 4 inches apart and begin drawing the earth to the plant to insure a deep root system. This makes a trench on each side of the plant along which the plant is watered. Provide a trellis or proper support as the vines attain great height. Frequent cultivation, water as needed after plants are up and occasional applications of Sweet Pea Food or a good all-purpose commercial fertilizer, will insure a profusion of lovely blooms. A long blooming season may be had by keeping the blossoms picked.

Want to be a successful gardener?

Here's how to

B₁

Vitaminize your lawn, flower beds, trees and shrubs with Thompson's Vitamin B-1. The new Thompson B-1 Vitaminizer enables you to apply this vital growth factor without fussing, measuring, or back-breaking labor. Vitaminize—then watch your garden grow!

The Thompson Vitamin B₁ Vitaminizer
Fits all standard garden hose nozzles and surface sprinklers. Vitaminizer holds 1 to 6 Thompson B-1 Pellets—applies correctly diluted solution in a jiffy. Made of brass—no working parts. \$1 (For Thompson Pellets only)

Thompson's B-1 Vitaminizer with
box of 100 B-1 Pellets—applies 2000 gals. B-1 solution.
\$2.00 val...special \$1.89
combination price . . .

SOIL SOAKER



SOIL SOAKER for deep soaking, the water method approved by agricultural colleges and nurseries now available for home use. Equipped with regular hose connection for attaching to hose or pipe. Price, 12 foot, \$1.25; 18 foot, \$1.75; 30 foot, \$2.75; 50 foot, \$4.50, postpaid.

BANDINI SWEET PEA FOOD

Unexcelled for use at time of planting sweet pea seed and for feeding during the growing season. It not only contains just the correct portions of plant-food but also of Sulphur, Lime, Tobacco Meal, and Iron Oxide.

2½ lbs. 30c, 5 lbs. 45c, 10 lbs. 85c, 25 lbs. \$1.50,
50 lbs. \$2.50, 100 lbs. \$4.00.

PAMPHLETS GIVING COMPLETE DIRECTIONS
FOR USE FURNISHED UPON REQUEST

NOTE—Not prepaid; postage or transportation extra.

INOCULATE SWEET PEA SEED WITH LEGUME-AID Pkt. 10c, postpaid

LEGUME-AID is a NITROGEN-fixing bacteria for inoculating legume seed, such as SWEET PEA SEED, LUPINS, etc. Legume-Aid increases the yield, improves the quality and enriches the soil. It comes in dust form in moisture-proof packages and no water is needed. One garden packet inoculates up to 5 pounds of Sweet Peas, Lupins, Beans or garden peas.



\$4.95

Sure, Fast Pest Control
with the Universal
INSECT-O-GUN

THE ORIGINAL INSECT-O-GUN . . . and the simplest type made! All you do is pull the trigger and let your city water pressure do the work.

NO ADJUSTMENT . . . the Universal INSECT-O-GUN sprays up for more complete underleaf coverage where most bugs are found.

National
Eezy Wear
Garden Gloves

Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small", "Medium", "Large". For men: "Medium" and "Large". 75c, postpaid.

★ Quality Always ★

LIEFGREEN'S GIANT SPENCER SWEET PEAS



LIEFGREEN'S GIANT SPRING FLOWERING SPENCERS

Plant in a sunny location for blooming during the spring months. Will bloom from four to six weeks later than the Early Flowering Spencers. Planted during the early fall and winter months, they make a growth of only about 6 to 8 inches with numerous tendrils at the base which rapidly climb during the warm early spring months. Our selection of this type is the latest and finest varieties grown:

CHINESE BLUE—Rich deep blue.
YOUTH—Large white, pink picotee edge.

OLYMPIA—Rich purple.
PIRATE OF GOLD—Golden orange.
KING LAVENDER—Clear pure lavender.
JUMBO—Deep cerise.
WARRIOR—Maroon.
SMILES—Salmon shrimp pink.
RED SUPREME—Deep crimson. Very bright.

Each: Pkt. 10c, 1/2 oz. 20c, 1 oz. 35c, 1/4 lb. \$1.25.

Something Different!

CUPID SPENCER SWEET PEAS, MIXED—Sweet peas in bush form. Lovely large blooms of true Spencer type, borne profusely on small trailing plants growing not more than 9 inches tall. Grand for borders and massing. Light shades, bright pink predominating. Pkt. 15c, 1/2 oz. 25c, oz. 40c, 1/2 lb. \$1.25.

Telephone
31147



Liefgreen's Giant Early Flowering Spencer Sweet Peas

Plant the Early Flowering type sweet peas in the early fall and winter months for early winter and early spring blooming. Again early in the spring months for later spring blooming. This type sweet pea blooms from four to six weeks earlier than the Spring Flowering Spencers. The plant starts climbing immediately after germination. We offer the very latest and finest types adaptable to Arizona climate.

SHIRLEY TEMPLE—Very large, frilled soft rose pink.

AMETHYST—Royal purple.

VALENCIA—Sunproof orange.

PRIDE—Cerise, long stems.

COLUMBIA—Bicolor. Salmon rose, white wings.

MARINER—Clear marine blue.

MARS—Bright crimson red.

EXPOSITION PINK—Gorgeous rich pink.

OTHELLO—Maroon.

HOPE—Pure glistening white, black seeded.

SKIPPY—Light salmon pink.

CREAM—Rich soft deep cream.

TRIUMPH—Lilac mauve.

SEQUOIA—Golden cerise.

LAVANDA—Pure clear lavender.

BALL'S ROSE IMPROVED—Rich, deep rose pink.

MEMORY—Rosy lavender.

Each: Pkt. 15c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$1.75.

LIEFGREEN'S SPECIAL EARLY FLOWERING SPENCER SWEET PEA MIXTURE

This mixture is made up of the very finest of the Early Flowering Spencers.

Pkt. 10c, 1/2 oz. 20c, oz. 35c, 1/4 lb. \$1.00, lb. \$3.00

LIEFGREEN'S SPECIAL GIANT SPRING FLOWERING SWEET PEA MIXTURE

All the best varieties of this type and all possible color variations, including many of the newest.

Pkt. 10c, oz. 25c, 1/4 lb. 75c, lb. \$2.25

SPECIAL SWEET PEA COLLECTIONS

8 15c pkts. \$1.00

GIANT EARLY FLOWERING SPENCER SWEET PEAS

1 pkt. each of the following colors of named varieties listed above: Blue, Pink, White, Lavender, Salmon, Red, Orange, Cerise.

12 10c pkts. \$1.00

GIANT SPRING FLOWERING SPENCER SWEET PEAS

1 pkt. each of the following colors of named varieties listed above: Blue, Pink, White, Lavender, Salmon, Red, Orange, Cerise, Purple, Cream, Picotee, Maroon.